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JM Ponte, WB Croft - 1998 - ACM Press New York, NY, USA

... The task Kalt investigated was **text classification**. ... Basic **Model** We now try to improve our **probability** estimates since, according to our **model**, this should ...

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[PDF] **Focused Crawling: A New Approach for Topic-Specific Resource Discovery** - [all 38 versions](#)

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S Chakrabarti, M van den Berg, B Dorn - WWW Conference, 1999 - cse.iitb.ac.in

... is generated by a category we use the followin Bernoulli document **model** for **text**. ... Each face of the coin represents a word; the **probability** that the face ...

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A hidden Markov model approach to text segmentation and eventtracking

JP Yamron, I Carp, L Gillick, S Lowe, P van ... - Acoustics, Speech, and Signal Processing, 1998. ICASSP'98. ..., 1998 - ieeeexplore.ieee.org

... T. There is a language **model** associated with ... to itself (the "self-loop" **probability**), which implicitly ... Given a **text** stream, a **probability** can be attached ...

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[PDF] **A comparison of event models for naive bayes text classification** - [all 25 versions »](#)

A McCallum, K Nigam - AAAI-98 Workshop on Learning for Text Categorization, 1998 - eee.ut.ac.ir ... document, and selecting the class with the highest **probability**. ... This method works well with **text** and has ... that the multi- nomial event **model** usually performs ...

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Statistical Models for Text Segmentation - [all 18 versions »](#)

D Beeferman, A Berger, J Lafferty - Machine Learning, 1999 - Springer

... a technique that uses co-occurrence data to map a query **text** into semantically ... The idea is to construct a **model** that assigns a **probability** to the end ...

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[PS] **A neural network approach to topic spotting** - [all 5 versions »](#)

E Wiener, JO Pedersen, AS Weigend - Proceedings of the Fourth Annual Symposium on Document ..., 1995 - citeseer.comp.nus.edu.sg

... in more detail two recent **text** categorization studies ... fairly simple condi- tional **probability** **model** and another ... arate classier was constructed for each **topic**. ...

[Cited by 390](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

Text Segmentation by Topic - [all 10 versions »](#)

JM Ponte, WB Croft - Research and Advanced Technology for Digital Libraries: ..., 1997 - books.google.com

... is scored as a function of the **probability** that the ... **model** produced the block and the background **model** produced the ... other hand, is to segment the **text** by **topic** ...

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[... of intrahepatic cancers with radiation doses based on a normal tissue complication **probability model** - all 5 versions ...](#)

CJ McGinn, RK Ten Haken, WD Ensminger, S Walker, S ... - Journal of Clinical Oncology, 1998 - jco.ascopubs.org

... Although the observed complication **probability** is within the confidence ... our **model**, it is possible that this **model** overestimates the ... Abstract] [Full Text] [PDF], ...

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[PS] [Multi-label **text** classification with a mixture **model** trained by EM - all 7 versions ...](#)

A McCallum - AAAI'99 Workshop on Text Learning, 1999 - cs.cmu.edu

... is the problem of assigning a **text** document into one ... and then expanding the mixture **model** gives: P ... is performed by calculating the posterior **probability** of each ...

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[Term-weighting approaches in automatic **text** retrieval - all 7 versions ...](#)

G Salton, C Buckley - Information Processing and Management: an International ..., 1988 - portal.acm.org

... Chien, Auto-generation of **topic** hierarchies for ... Youngjoong Ko, Jungyun Seo, **Text** categorization using ... HQ Ding, A similarity-based **probability model** for latent ...

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M. Thyer, G. Kuczera - Journal of Hydrology, 2003 - Elsevier

 ... rainfall data was generated using the **HMM** with the ... hence different wet and dry **state** covariance matrices ... shows the values used for the **transition probabilities** ...

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J. Kohlmoergen, S. Lerm - Advances in Neural Information Processing Systems, 2001 - books.nips.cc

 ... c-path that ends in a pdf **state** s from ... this has lower costs despite of the incurred additional **transition**. ... in the data and cause the removal of **HMM states** with ...

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Q. NH, O. Rueda, R. Diaz-Uriarte - The RjaCGH Package - cran.active.co.il

 ... of 1/number of hidden **state** when the ... value returned A matrix with the **transition probabilities** for ... function fits a non-homogeneous **hidden Markov model** to CGH ...

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M.J. Beal, P. Krishnamurthy - 24.14.41.210

 ... indexes a specific row of the **transition** matrix, with ... not suffer from the countably infinite **state** space ... For the HDP-HMM, the auxiliary variable Gibbs sampling ...

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AC Courville, DS Touretzky - Advances in Neural Information Processing Systems 14: ... 2002 - books.google.com

 ... of parameter a_j . The **hyperparameter** v_j k ... of Gaussians, and a very restrictive **state transition** structure, a **hidden Markov model** can integrate the ...

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JT Chien - Seventh European Conference on Speech Communication and ..., 2001 - ISCA
... ϕ R g is the prior pdf with **hyperparameter** ϕ ... t t s s a 1 – is the **state transition**
probability ... In linear regression adaptation, the extended **HMM** mean vector ...

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Predictive Hidden Markov Model Selection for Decision Tree State Tying - [all 2 versions »](#)

JT Chien, S Furui - Eighth European Conference on Speech Communication and ..., 2003 - ISCA
... **HMM** parameters λ consist of the initial **state** probabilities $\{i \pi$, **transition**
probabilities $\{ij a$ and d-variate mixture Gaussian parameters ...

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[PDF] Application of variational Bayesian approach to speech recognition - [all 7 versions »](#)

S Watanabe, Y Minami, A Nakamura, N Ueda - Advances in Neural Information Processing Systems, 2003 -
keci.nitt.co.jp

... **transition** probability from **state** i to **state** j, and c jk is ... mixture for **state** j.
b jk (= $N(O_t | \mu_{jk}, \Sigma_{jk})$... J denotes the number of states in an **HMM** and L ...

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The Infinite **Hidden Markov Model** ... procedure for estimating the **parameters** of an **HMM** is the ... It has been proposed to approximate such **Bayesian** integration both ...

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K Shinoda, CH Lee - Automatic Speech Recognition and Understanding, 1997. ..., 1997 - [ieeexplore.ieee.org](#)

... The resulting transformation **parameter**, corresponding to each **HMM parameter**, is a ... are calculated using a hierarchical **Bayes** analysis to ... **hyper-parameter** for qk. ...

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A Doucet, N de Freitas, K Murphy, S Russell - Proceedings of the Sixteenth Conference on Uncertainty in ..., 2000 - [mne.psu.edu](#)

... imputed, cf, cutset conditioning in static **Bayes** nets (Pearl ... as the Kalman filter, the **HMM** filter, the ... 2000), fixed **parameter** estimation (Kong, Liu and Wong ...

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[An introduction to hidden Markov models and Bayesian networks](#) - [all 10 versions »](#)

Z Ghahramani - International Journal of Pattern Recognition and Artificial ..., 2001 - [worldscinet.com](#)

... A third assumption of the **hidden Markov model** is that the hidden state ... in HMMs and to formulate natural extensions to the **HMM**. 3. A **Bayesian** Network Tutorial ...

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[A robust speaker clustering algorithm](#) - [all 13 versions »](#)

J Ajmera, C Wooters - Automatic Speech Recognition and Understanding, 2003. ASRU' ... - [ieeexplore.ieee.org](#)

... is based on an ergodic **hidden Markov model (HMM)** formalism where ... number of **parameters** in the **HMM** decreases. ... models is to use the **Bayesian** Information Criterion ...

[Cited by 66](#) - [Related Articles](#) - [Web Search](#)

[On-line adaptive learning of the correlated continuous densityhidden Markov models for speech](#)

... - [all 7 versions »](#)

Q Huo, CH Lee - Speech and Audio Processing, IEEE Transactions on, 1998 - [ieeexplore.ieee.org](#)

... Recently, **Bayesian** learning of **hidden Markov model (HMM)** **parameters** has been proposed and adopted in a number of adaptive speech recognition applications (eg ...

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P Sebastiani, M Ramoni, P Cohen, J Warwick, J ... - Advances in Intelligent Data Analysis: Third International ..., 1999 - books.google.com
... time series of sensor data, our HMM method learns a ... the observed frequencies ny by the **hyper-parameters** ay so ... By Bayes' Theorem, the posterior probability of Mc ...
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S Watanabe, Y Minami, A Nakamura, N Ueda - Advances in Neural Information Processing Systems, 2003 - koci.nit.co.jp
... acoustic modeling, a triphone-based **hidden Markov model** (triphone HMM ... of SST-HMMs (clustering triphone HMM states) based on a variational **Bayesian** (VB) ap ...
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EP Xing, W Wu, MI Jordan, RM Karp - Journal of Bioinformatics and Computational Biology, 2004 - cs.berkeley.edu
... **Bayesian** model; Dirichlet prior; **hidden Markov model**; variational inference. ... uses a newly designed HMM that we ... is developed for efficient **Bayesian** learning and ...
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P Sykacek, S Roberts - Advances in Neural Information Processing Systems 14: ..., 2002 - books.google.com
... setup that is consistent with **Bayesian** theory (BS94 ... a Gaussian and Multinomial observation **hidden Markov model** or GMOHMM ... the hidden states of the HMM; i, are ...
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 WR Gilks, S Richardson, DJ Spiegelhalter - **Markov Chain** Monte Carlo in Practice, 1996 - books. google.com

 ... Thus the Metropolis—Hastings algorithm is extremely simple: **Initialize** X_0 ; set

 $I \dots 8$ INTRODUCING **MARKOV CHAIN** MONTE CARLO The left-hand side of equation (1. 6 ...

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RM Neal - Journal of Computational and Graphical Statistics, 2000 - JSTOR

... to the posterior distribution was found by applying 100 iterations of Algorithm

 5 with $R = 5$. This state was then used to **initialize** the **Markov chain** for each ...

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[Markov chain Monte Carlo methods for stochastic volatility models - all 16 versions »](#)

S Chib, F Nardari, N Shephard - Journal of Econometrics, 2002 - Elsevier

 ... Inference on the parameters is conducted by producing a sample $\{\psi(g), h(g)\}$ from this density by a **Markov chain** Monte Carlo (MCMC ... **Initialize** β, s, λ and v

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[Independent unbiased coin flips from a correlated biased source—A finite state **markov chain** - all 3 versions »](#)

M Blum - Combinatorica, 1986 - Springer

 ... The **Markov Chain** (MC) is a finite set of labeled states $S_1 \dots S_n$. Out of each state

 $S_i \dots I$ **Initialize**: Set state-bit (S)=2 for all i . Set $i := 1$ [Comment: Enter ...

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[Estimation of generalized multisensor hidden **Markov** chains and unsupervised image segmentation - all 14 versions »](#)

N Giordana, W Pieczynski - IEEE Transactions on Pattern Analysis and Machine ..., 1997 - doi. ieee.org

 ... To **initialize** the three methods we take and if $i \neq j$ for $i, j \dots$ distributions [14], and F_3 denotes Gaussian distributions, along with the **Markov chain** defined by ...

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[Modeling Spatial Variability with One and Multidimensional Continuous-Lag **Markov Chains** - all 3 versions »](#)

SF Carle, GE Fogg - Mathematical Geology, 1997 - Springer

 ... The continuous-lag **Markov chain** provides a conceptually simple, mathematically compact, and theoretically powerful model of spatial variability for categorical ...

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[Characterization results and Markov chain Monte Carlo algorithms including exact simulation for some ... - all 8 versions »](#)

HAËGÈM OLLE, NMVANL MARIE-COLETTE - Bernoulli, 1999 - projecteuclid.org
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[Numerical Methods in Markov Chain Modeling - all 11 versions »](#)

B Philippe, Y Saad, WJ Stewart - Operations Research, 1992 - JSTOR

... Methods in **Markov Chain** Modeling / 1165 is used as an initial guess. ... Algorithm Arnoldi
Step 1. **Initialize**: Choose an initial vector v_1 of norm unity. ...

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L Tierney - Markov Chain Monte Carlo in Practice, 1996 - books.google.com

4 Introduction to general state-space **Markov chain** theory Luke Tierney 4.1 Introduction

Markov chain Monte Carlo is a method for exploring a distribution it in ...

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[Studying Convergence of Markov Chain Monte Carlo Algorithms Using Coupled Sample Paths. - all 6 versions »](#)

VE Johnson - Journal of the American Statistical Association, 1996 - questia.com

... 9) random variables were repeatedly drawn and used to **initialize** the coupled ... and
Smith, RL (1994), "Convergence Diagnostics for **Markov Chain** Samplers," preprint ...

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